CLARKSBURG TOWN CENTER

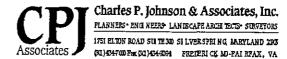
GROUNDWATER RECHARGE FACILITIES

SECTION 1B - PART 3



Project # 29-100

Prepared by: JES August 2001



<u>CW # 7</u>

Impervious Area to Facility = 19,602 SF (0.45 Ac.)

Storage Required = (19,602 SF) * (11/12") = 1634 CF

In Stone Storage = 1634 / 0.4 (Void Ratio) = 4085 CF

Storage Provided = (846 SF) * (5' D) = 4230



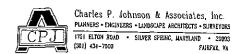
Impervious Area to Facility = 19,602 SF (0.45 Ac)

Storage Required = (19,602 SF (1'/12'') = 1634 CF)

In stone storage = 1634/0.4 (void ratio) = 4085 CF

Storage provided = (52' L) x (20' W) x (4.0' D) = 4160 CF

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Prepared By: Checked By: SJ JES

Date:

9/13/01

Engineer's Preliminary Cost Estimate For

CLEANWATER RECHARGE TRENCH 7 & 8 SECTION 1B, PART 3

Job Number 29-100			Sheet I	of l
ITEM	UNIT	APPROXIMATE QUANTITY	APPROXIMATE UNIT PRICE	APPROXIMATE COST
SAND	CY	200	23.00	4,600.00
STONE	CY	320	14.00	4,480.00
8" PVC SCH-40	LF	303	17.00	5,151.00
CLEAN OUTS	EACH	2	50.00	100.00
EXCAVATION	CY	680	8.00	5,440 .00
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TOTAL:				\$19,771.00

NOTE

This estimate is prepared as a guide only, is based upon preliminary information, and is subject to possible change. Charles P. Johnson & Associates makes no warranty, either express or implied, that actual quantities and costs will not vary from the amounts indicated and assumes no liability for such variances.